







User guide

Version 1.0

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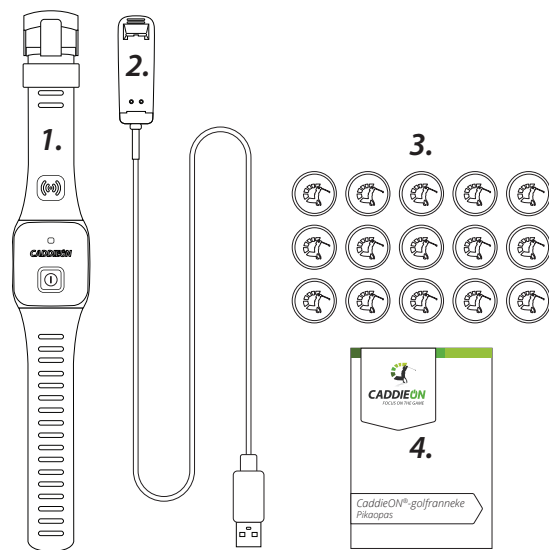
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Getting familiar with CaddieON®

What's in the sales package

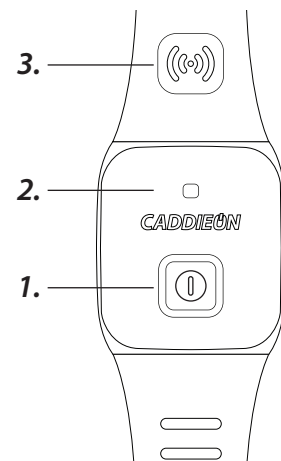
1. CaddieON™ Wrist Device
2. USB charging adapter
3. Club tags (15 pcs)
4. Quick Guide



About your wrist device

Overview

1. Power button
2. Indicator light
3. Tag reader



Switch your wrist device on or off

To switch on

Push the power button and release it once the device vibrates. Blue light will start blinking steadily indicating the device is active.

Turning the device on for the first time, it will automatically enter pairing mode and the light will blink in a series of three quick flashes. See chapter "Pairing the wrist device" for more info.

To switch off

Push the power button and release it once the device vibrates.

Make sure the device is always switched off when you are not using it. Your device is switched off automatically when you end your round and if it is stored for prolonged time.

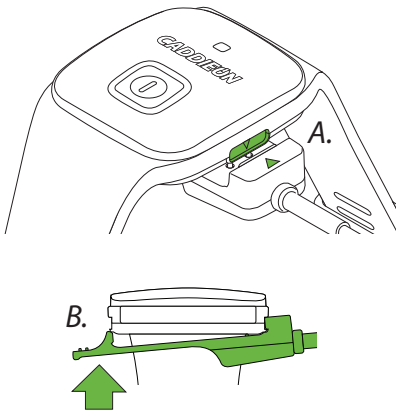
Charging the wrist device

Before using your wrist device for the first time

Charge the wrist device before first use. The CaddieON® wrist device has a rechargeable battery. Charging an empty battery takes about two hours. Follow the steps below.

Always charge your device after a round of golf, so it is ready for the next game.

1. Connect the USB charging adapter with the wrist device by matching the arrow symbols (A) and pressing one end of the adapter against the wrist device until it snaps into place (B).
2. Connect the adapter to an USB power source. The device vibrates and the indicator light starts blinking green when your device is being charged. Blinking stops and light stays on, after the battery is fully charged.
3. Disconnect the adapter from the device and the power source. The device will vibrate briefly and the green light will switch off within few seconds. The device shuts down.



When the wrist device is connected to an USB power source, all other functionalities but battery charging are disabled.

Battery level indications

Steadily flashing blue light means that the device is operational and battery level is normal. After the light turns red and the device vibrates twice, you can continue playing for approximately half an hour before the device vibrates four times and turns itself off due to flat battery

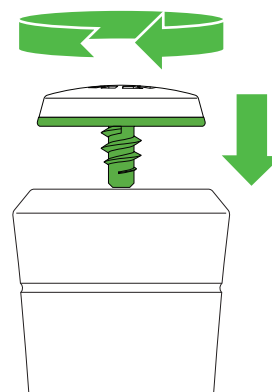
Indicator light color			
Mode	Blue	Green	Red
Blinking	Battery normal	Charging	Battery low
On	n/a	Battery full	Fault

Identification tags

Attaching the club tags

Attach the club tags by placing a tag into a hole in the grip and turning it clockwise until it sits tightly, you can also add some adhesive to secure the tags. Please, check always that the tags are firmly secured before you start new round.

Tags are weather resistant, you can use them in all playing conditions or when cleaning clubs. Extra tag sets are available from CaddieON.



Reading the club tags

The tags have unique identification codes, which are read and linked to the clubs during club registration. That is how CaddieON™ knows which club you are using. Please, always remember to read the tag before taking a stroke.

Place the reader area in the wrist band within the reading distance from the tag and wait until wrist device vibrates, indicating reading has been completed successfully.

The Reading distance is limited to few centimeters. No batteries are needed in the club tags.

It is a good practice to do the tagging right after taking your club from the bag.

Wearing your wrist device and phone

Follow the recommendations below to optimize operation conditions for CaddieON® gear.

1. Always wear the wrist device in the lead hand (top hand) when playing golf: If you play from right, put it on the outer side of your left wrist; in the opposite case, put it on your right wrist accordingly.
2. Tighten the wrist band, so that the device stays firmly on yet feels comfortable to wear.
3. Make sure the tags are firmly secured when playing.
4. Keep the phone on you during the game. The best position is the front pocket on the same side as the wrist device is worn. You can try other positions, too, but please, verify them before starting the round.
5. Keep the touchscreen of your phone locked when not using it. Especially when the phone is in the pocket.

Devices are connected over a Bluetooth radio link so obstacles between them can attenuate signal. Especially human body can be harmful and even break the connection.

CaddieON® Application (overview)

Installing the application

Install the CaddieON® application for your iPhone from the App Store. You can find the application by searching for CaddieON.

Creating an account

In order to use the application you must have a personal CaddieON® account. You can create an account by visiting **portal.caddieon.com** and clicking register, or by opening the CaddieON application and touching Create account in the login view.

After you have provided your account information and confirmed your email address you can log in to the application.

Logging in

Open the application and provide your username (your email address you used to register) and password to the appropriate fields in the login view and touch "Login". If you have forgotten your password you can reset it by touching the "Forgot password?" and following the instructions.

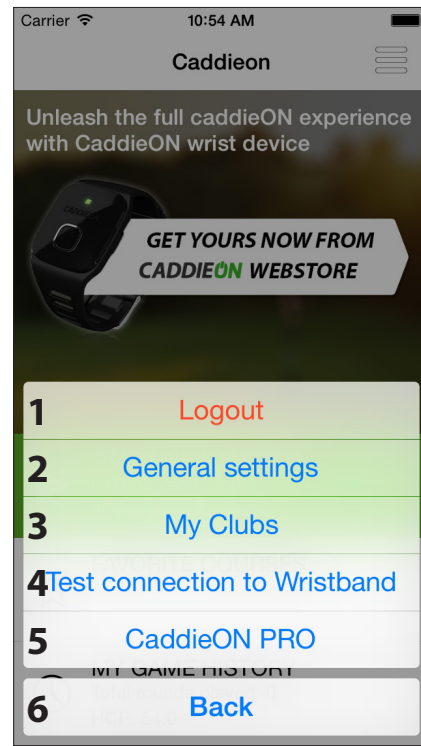
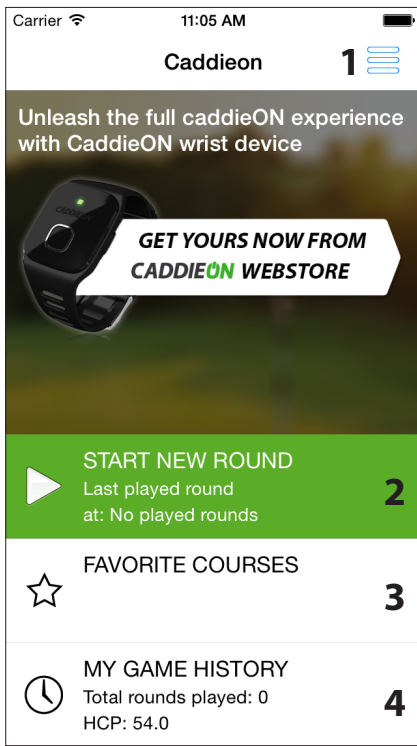
Before the first round

Before you start your first round it is important that you have performed the following steps:





1. Pair the wrist device with your phone
2. Register your clubs
3. Define your preferences for the general settings
4. Create a putting profile

Application main view

Main view is shown after successful login. Unless you log out you will be taken to the main view each time you launch the application. Application main view serves as a hub where you can access your preferences, start a new round, manage your favorite courses and view your game history.



Main view elements

1.  Application menu
2.  Start new round
3.  Favorite courses
4.  Game history

Application menu

1. Log off your CaddieON account
2. Application settings
3. My Clubs management
4. Wrist Device connection test
5. CaddieON PRO putt profile creation
6. Close the menu

Pairing the wrist device

Follow the steps described below to pair the wrist device with your phone.

1. Switch on the Wrist Device by pressing the power button until the device vibrates and the light starts blinking blue in a series of three quick flashes. The device will enter pairing mode automatically if it has not been paired before.
2. Open the bluetooth settings on your iPhone, CaddieON Wrist device should appear in the list once discovered.
3. Tap on the device to establish a connection.
4. Accept the bluetooth pairing request by tapping "Pair".

Pairing has been completed successfully when the device status changes to "Connected".

Activating the wrist device


To access the full features of the CaddieON application, the wrist device needs to be activated.

To do this open the application main menu  and select "Activate Wrist Device".



Once the activation has completed you have access to full features of CaddieON.

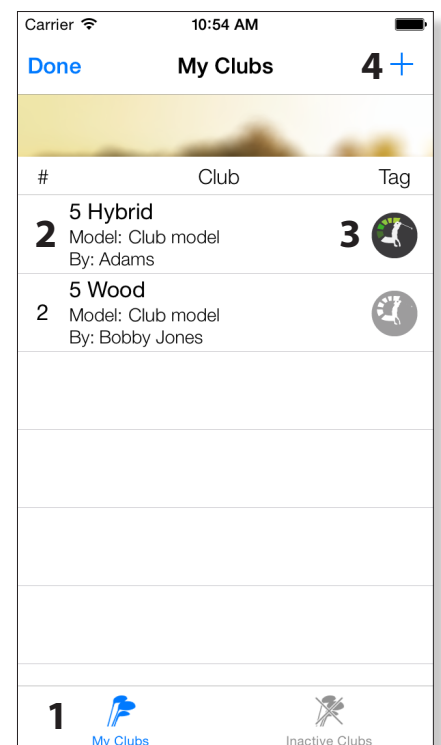
Registering the clubs (+)

Before you start the club registration make sure that the wrist device is paired and powered on.

Open club registration by selecting "My Clubs" in the application menu .

My Clubs overview

1. My Clubs and Removed Clubs tabs
2. Club entry
3. Club tag status
 -  Tag assigned
 -  Tag not assigned
4. Add club button

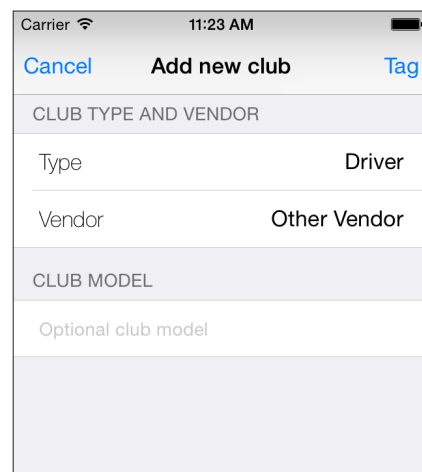


Adding a club

1. Touch Add club to open the club registration wizard.
2. Set the club type and vendor using the pickers. You can also provide an optional club model name if you like in the Club model textfield.
3. Touch "Tag" and following the on-screen instructions.

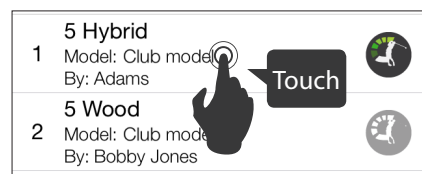
The wrist device vibrates when the tag has been read successfully and the wizard will close.

Add your remaining clubs following the same procedure.



Editing the club model

Touch a club entry in the "My Clubs" tab and select "Edit" from the options list to edit the club.



Retagging a club

Touch the club in the "My Clubs" tab and select Tag from the options list.

If you reuse a tag with a different club you will get a warning notifying you that the tag has been already assigned. Should you continue, the tag assignment will be removed from the previous club

Deactivating a club

To deactivate a club from the club list touch the club entry in the My Clubs tab and select Deactivate from the options list.



If a club has not been used on any round when you deactivate it, the club will be removed permanently. Otherwise the club will be moved to the deactivated clubs list.

Reactivating a deactivated club

Select deactivated Clubs tab, touch the club you want to restore and select Reactivate club from the options list.

Remember that you need to retag the club before you can use it during the game again.

Defining your preferences

Define your personal preferences through General settings . You can access General settings from the application menu .

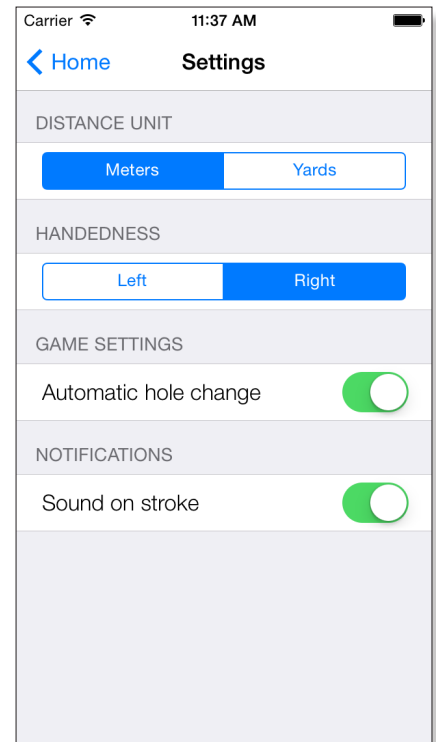
Distance unit

Select your preferred distance unit to use.

Handedness (+)

Define whether you play from the left or from the right.

Correct handedness is essential for reliable stroke detection and personal putt profile creation.



Game settings (+)

Automatic hole change

When enabled, the application automatically changes your current hole to the next in descending order based on your location and stroke data.

Notifications (+)



Sound on stroke:


When enabled an audible notification is given when a stroke has been detected.

Creating a personal putt profile (+)

Before you begin:


Reserve few golf balls and make sure you have enough room for a three meter putt, place the phone on the ground so you can follow the on screen instructions and press Start.

Select the CaddieON PRO () in the application menu (). Read the opening screen info and press "Start". The on-screen instructions will guide you through the different steps during the profile creation.

To clear your personal putt profile select the Clear profile () from the top bar. After this application will use the default putt profile for putt detection.

Starting a round

Course selection

Touch “Start a new round”  in the main view to open the course selection view.

The application searches for courses in radius of 50 km (31 mi) from your location and lists them in order of distance. Course quick selection is made by touching the name of the course.

Course info

Touching detail disclosure icon  opens the Course info view. The view lists the available contact information for the course.

Touching the information entries launches the following actions:

- Course address opens the Map application showing you the location of the course.
- Phone number open the dialer with the number selected
- Email address opens the mail application with the address selected as recipient
- Website address opens the page in browser

Proceed to the course by touching “Play course” or touch “Back” to return to course selection.

Course downloads

Before you can play the course you have to either purchase or have to have already purchased the course download. You can play the purchased course for as many times as you wish without extra payments. Course information can always be viewed for free.

Searching for a course

To search for a specific course type at least 3 characters of the name of the course you’re looking for in the search field and press search.

Last played course

If you have already played a course with CaddieON the last played course will be listed on top of the other courses for quick access.

Adding a course to favorites

Long touch the entry for the course and select Add to favorites from the options list to add a course to your favorites.

Round setup

Select holes to play

Touch the holeset row and select the hole set to play using the holeset picker.

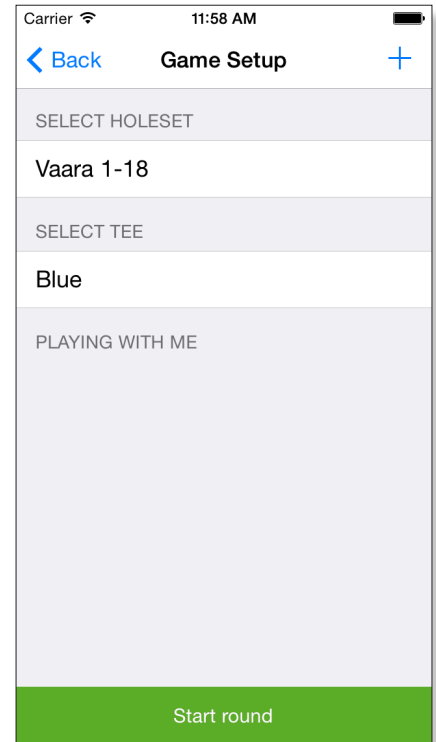
Select tee

Touch the tee row and select the tee you will be playing off using the tee picker.

Add player

To add a player touch the “Add” (+) button in the navigation bar and provide the player information and preferences.

You can add up to three additional players to your round.



Other player's score is not automatically recorded and has to be manually entered through the score-card.

Editing players

Touch the player entry and select Edit from the options list to edit a player.

Removing players

Touch the player entry and select Remove from the options list to remove a player from your round.

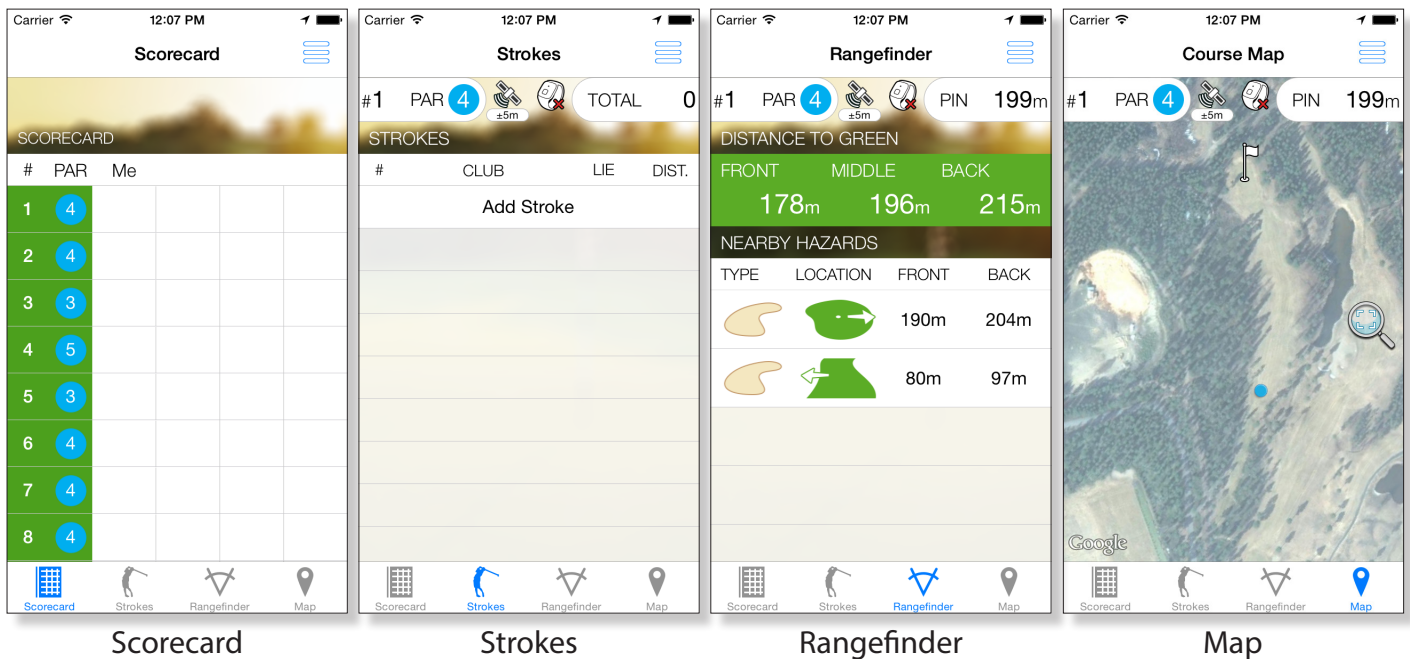
Start the round

After you finish setting up your round press “Start round” to move on to the game view.

During the round

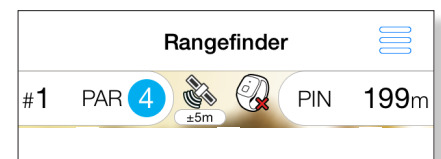
Game views overview

There are four game views available while on the course:



Common game view elements

1. In-game menu
2. Hole and par indicator
3. GPS accuracy and wrist device connection indicators
4. Pin distance / total stroke count



Navigating between game views

You can navigate between the game views by touching the view names in the tab bar.

The game view open up in rangefinder when a new round is started.

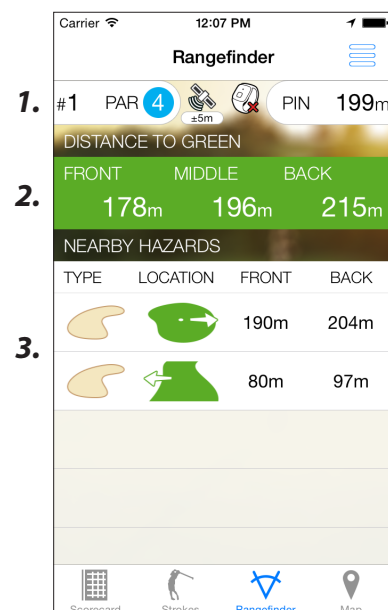
Rangefinder

1. Top indicator area
2. Distance to green
3. Hazards

Rangefinder provides at a glance information on the hole you are playing such as hole number, par and distances to various elements on the hole. Distances are listed for pin, front, middle and back of the green as well as front and back of the hazards.

In addition to distances the Rangefinder view also lists the type and relative location of the hazards on the hole.

By default the pin has been marked to the middle of the green. Difference in the distances between the middle of the green and pin indicates that either the course staff or a player using the CaddieON application has marked the pin position

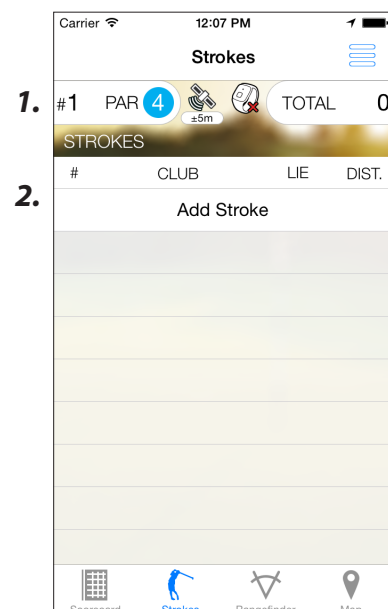


Strokes (+)

1. Total strokes count
2. Strokes list

Strokes view lists the strokes for the hole in chronological order and total number of strokes. Each stroke entry contains information on the club, location, lie and distance of the stroke.

Review your stroke list after each hole and make sure that it contains accurate information.



Map

1. Fit map to screen
2. Distance measuring helper

The Map view displays the current hole using the Google Maps aerial imagery. Hole is fitted on the screen and reoriented so that the pin is at the top and teeing ground at the bottom of the view.

Zooming, panning and rotating the map is done similarly as in the native Maps application. You can always refit the map on the screen by touching the Fit map to screen icon (📏).

Shot planning

Tapping on the map places a measuring marker and opens up the distance measuring helper. The helper displays distance from your location to the marker and the distance from marker to the pin.

To move the marker, long touch it and when the marker appears above your fingertip drag it on the map. Touch the Clear marker button to remove the marker and close the helper.



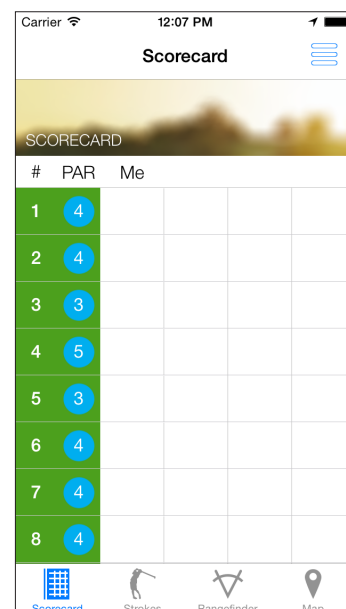
Scorecard

Total score of the round is displayed in the Scorecard view including hole by hole score (stroke and stableford). Hole score can be modified by touching the appropriate score.

Touching the score while playing with the wrist device opens the Review strokes view, otherwise a score entry picker is shown.

Review strokes




The Review strokes view contains two tabs. The first tab shows the strokes similar to the Strokes view and it can be used editing the stroke information (see Stroke options for more information). The second tab shows your strokes on map. Touch the back button in the navigation bar to return to scorecard view.



#	PAR	Me
1	4	
2	4	
3	3	
4	5	
5	3	
6	4	
7	4	
8	4	






Wrist device connection status and GPS accuracy

You can see the wrist device connection status and GPS accuracy in the Strokes, Rangefinder and Map views. The connection is indicated by the connection icon:

-  Connected
-  Disconnected
-  Connecting

When connected the wrist device indicator light will flash blue every 4 seconds, if the connection is lost during the game the device will vibrate three times and blue indicator light flashes once every second.

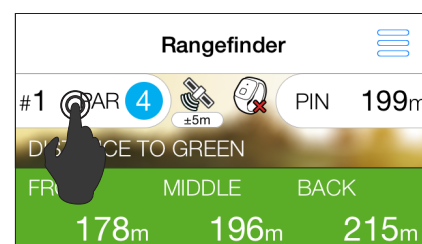
The GPS accuracy is indicated by the GPS icon:


-  Good accuracy ($\pm 5m$)
-  Medium accuracy ($\pm 10m$)
-  Low accuracy ($\pm 20m$)
-  Very low accuracy (over $\pm 20m$)
-  No GPS

Changing a hole

Manual hole change is made by touching the hole number indicator either in Rangefinder, Strokes or Map view. This will open the hole list picker with previous and next hole quick selection on top.

You can turn on the automatic hole change in the general settings accessible from the In-game menu during the round or from the main settings menu in the main view.



Rangefinder			
#1	PAR 4		PIN 199m
DISTANCE TO GREEN			
FR	MIDDLE	BACK	
178m	196m	215m	

Use the scorecard view to edit scores from the previous holes.

Stroke options (+)

You can always edit the strokes for each hole in the strokes view and the review score view in scorecard.

To access these options touch a stroke entry in the strokes view or touch the hole score entry in the scorecard view and touch the stroke entry in the review strokes view.

Add stroke and Add stroke before/after

Add Stroke

If the hole has no stroke entries you can add a stroke to the hole by touching the Add stroke entry in the strokes list and selecting Add Stroke from the options list.

Add Stroke Before/After

If the hole already has stroke entries touch an entry and select Add Stroke before or after depending if you want to add the new stroke before or after the selected stroke.

Add Stroke view

Stroke location

To move the location of the stroke long touch the player icon and drag it to the new location.

Club and lie

To change the club open the Club picker and select another club.

By default the application uses the course map data to set the lie of the shot but you can change it manually using the Lie picker.

Saving or discarding changes

To save the changes and close the editing view touch the Save button in the navigation bar, to close the editing view without saving changes press the back button on the the navigation bar.

Edit stroke

The Edit Stroke view works similar to the Add Stroke view.

Add short putt

This option is used to mark putts made from less than one meter/yard from the pin. The putt is tied to the location of the pin.

Add penalty

With this option you can add one or two stroke penalty after the selected stroke.

Move stroke(s)

Move stroke(s) to next hole

With this option you can move selected and later strokes to next hole.

Move stroke(s) to previous hole

With this option you can move selected and earlier strokes to previous hole.

Remove stroke

With this option you can remove the selected stroke.

Ball picked up

Select this option to end currently played hole without finishing it. This will exclude the hole score from the total score and the round total score cannot be counted anymore.

In-game menu

End round

To end your round select End round from the In-Game options menu in the action bar, this opens the Round Summary view and closes the connection to the wrist device. The phone and device vibrates once and the device powers itself off.

Round Summary

Round summary has a short summary of your round statistics and round sharing controls.

With the sharing controls player can add a comment to the round, upload the round to Cad-dieON Player Portal and share it on social media.

Review Score

In the Review Score view the player can review and make possible changes to the round score and strokes before uploading the round to the Player Portal.

Once the round score has been reviewed and sharing preferences have been set the player can save the round by touching the OK icon in the action bar closing the End round view.

If the player chooses to not to upload the round at this time the round score and statistics won't be available through the Player Portal. To upload the round later see: After the game - Game history.

If you end a round with zero strokes a confirmation dialog appears if you are sure you want to end the round. If you choose to proceed the round will be discarded.

CaddieON Product Support

For more information about the CaddieON™ product, complete instructions for use, warranty policy and product registration, please visit: www.caddieon.com/support.

CaddieON™ Customer Care provides support for our customers worldwide. Feel free to contact us by email to get the help and answers you need: support@caddieon.com.

Appendix

Specifications

CaddieON®Wrist device

Color	Black
Dimensions (L x W x H)	38.06 x 41.33 x 11.09mm
Weight	34.3g
Water resistance	Splash/rain resistant
Casing	ABS/PC plastic
Strap	TPU elastomer, stainless steel (buckle)
Physical keys	Power key
Indicators	Haptics (vibra), LED
Battery	Rechargeable, Lithium-Polymer 3.7V/150mAh
Charging voltage	Nominal: 5 V \pm 10 %
Operation time	Estimated 10 hours in active mode
Connectivity	Bluetooth 2.1 EDR RFID
Sensors	Accelerometer

Battery and charger information

This device has an internal rechargeable battery. Do not try to remove the battery from the device as this might cause damage to the device.

Unplug the charger from the electrical outlet and the device once the battery has reached full capacity. Leaving them connected may shorten the lifetime of the battery due to overcharging. A fully charged battery will lose its charge over time even if left unused. The battery should not be left uncharged for longer than six months because the self-discharge can result in the battery's charge level getting so low that the ability to receive charge gets degraded. The battery must not be charged outside the temperature range 0-45 °C.

The battery must not be disposed in a fire as it might explode. The battery must not be disposed as household waste. Dispose according to local regulations and recycle when possible.

A damaged charger must never be used and the charger must only be used indoors.

Do not store the device in cold or hot temperatures or humid conditions because the electronic circuits and/or the battery may be damaged.

For pluggable equipment, the socket-outlet shall be installed near the equipment and shall be easily accessible.

Disposal



This symbol is according to WEEE directive and indicates that the product and its electronic accessories should not be disposed of with other household waste at the end of their life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.

Warranty

CaddieON Inc. guarantees the purchaser (consumer) of CaddieON wrist device and/or identification tags a one (1) year warranty from the date of purchase. The receipt of the original purchase is a proof of purchase. The guarantee covers defects in material and workmanship.

You will the complete International CaddieON Warranty from <http://store.caddieon.com/tuotekuvat/warranty.pdf>

Declaration of Conformity (R&TTE)

We, CaddieON Inc. declare under our sole responsibility that the product

CaddieON LU1-A

to which this declaration relates, is in conformity with the following standards and/or other normative documents:

Conformity with standards

SAFETY	EN 60950-1: 2006 + A11: 2009 + A1: 2010 + A12:2011 + Ac: 2012
EMC	EN 301 489-1 v.1.9.2 (2011) EN 301 489-3 v.1.4.1 (2002) EN 301 489-17 v.2.2.1 (2012)
RF	EN 300 328 v.1.7.1 (2006) EN302 291-2 v.1.1.1 (2005)

We hereby declare that all essential radio test suites have been carried out and that the above named product is in conformity to all the essential requirements of Directive 1999/5/EC which will be made available upon request.

CaddieON Inc.
Moreenitie 11
90620 Oulu
Finland

Oulu April 30, 2014



Tuomo Lalli, CEO CaddieON Inc.

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